



Kartverket

Renewal of Data Acquisition Tools

*Director Evert Flier, the Norwegian Hydrographic Service
North Sea Hydrographic Commission 31st meeting
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High Speed Hydrographic Survey Launches



PHOTO: ARNFINN LIE

Three Identical Launches

- MB Anda
Delivery: December 2013
- MB Lomvi
Delivery: March 2014
- MB Havelle
Delivery: May 2014



MB Anda was delivered to the NHS in Stavanger, Norway, December 2013

Technical Particulars

- Length: 11,15 m
- Breadth: 3,4 m
- Draught: 0,8 m
- Service speed: 25 knots
- Max speed: 28 knots
- Displacement: 12,5 tonnes
- Range (nautical miles): 300
- Main engines (2x): Iveco 350 HP
- Waterjets (2x): Ultrajet 340 HT
- Multi-beam echo sounder: EM2040D
- Seapath 330+ motion sensor with MRU5+
- Building materials: Aluminium
- Ice-strengthened reinforcements
- Designed in accordance with the Nordic Boat Standard
- Builder & designer: Swede Ship Marine



PHOTO: ARNFINN LIE

On the Inside



PHOTO: ARNFINN LIE

Ergonomic Work Spaces



PHOTO: ARNFINN LIE

The NHS' Survey Vessel MS Hydrograf



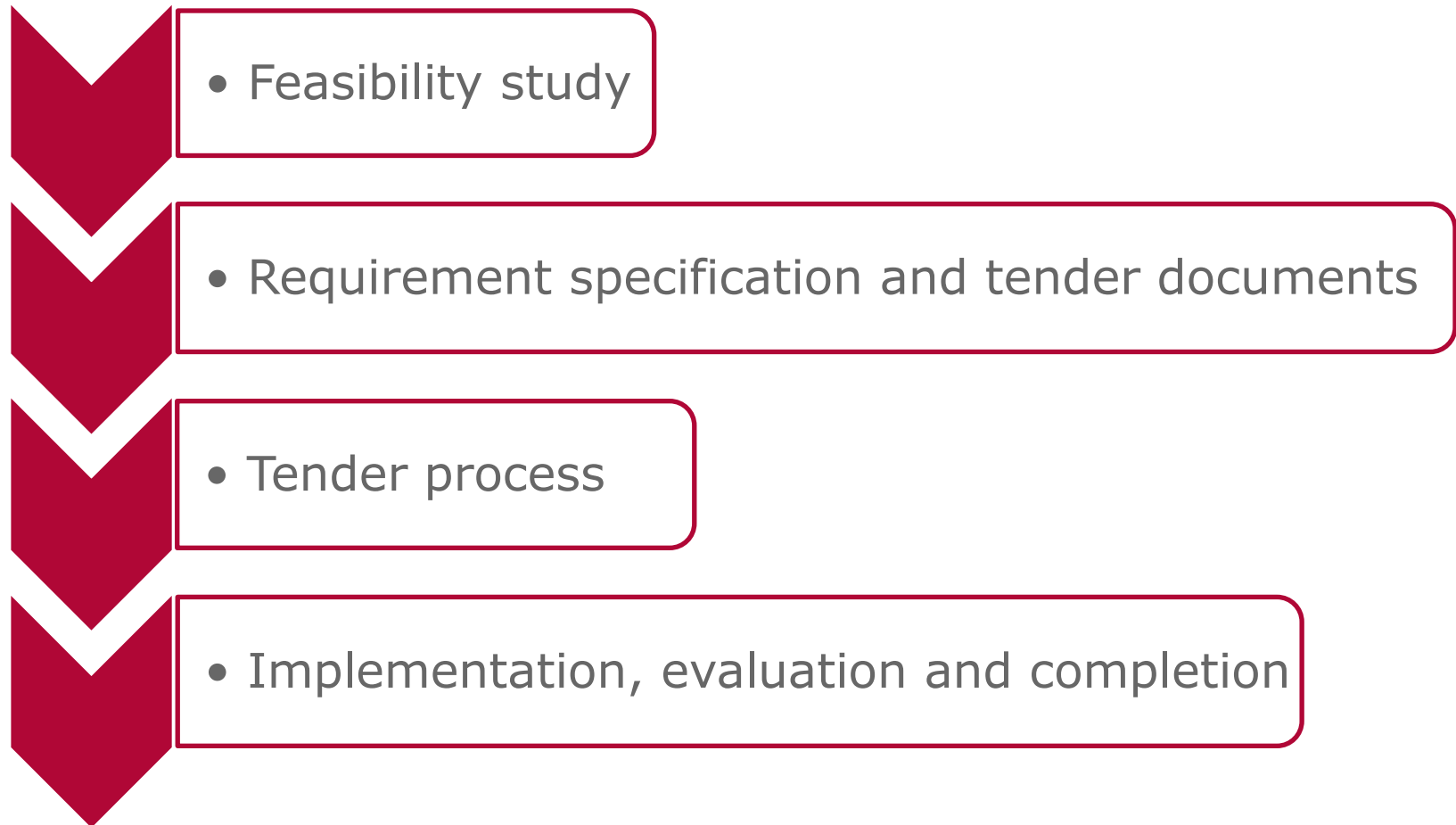
The PLECO Project – New Processing Data Tool

Requirements:

- Visualization
- Quality Information
- Traceability
- Creating DTM or elevation models
- Model analysis
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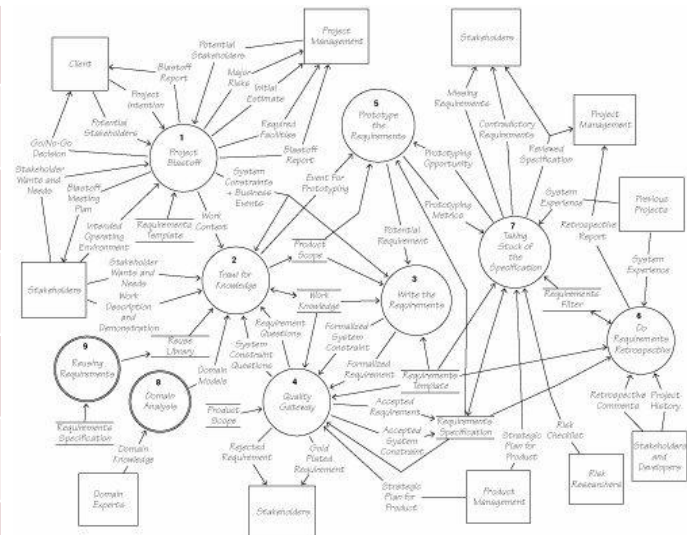


Phases in the PLECO Project



Requirement Specification

Requirements and Tests	Number
Number of requirements	317
Description	46
Mandatory	116
Optional	155
Usability test	
Performance Test	
Calculation test	



Deliveries from CARIS

Delivery	Data
Delivery Basic System	7 February 2013
Approval Basic System	12 April 2013
Delivery Drop A (32 rqt)	4 October 2013
Delivery Drop B (11 rqt)	29 August 2014
Approval Final Delivery	6 October 2014
System ready for normal operation	3 November 2014
System approved	3 February 2015